

PTO/SB/96 (08-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Attorney Docket No. 012172004530US

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Intergraph CorporationApplication No./Patent No.: 09/057,861Filed/Issue Date: April 9, 1998Entitled: INSTRUCTION CACHE ASSOCIATIVE CROSSBAR SWITCHIntergraph Corporationa Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 011707, Frame 0361, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]**

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

8/21/01  
Date

[Signature]  
Signature

David Vance Lucas

Typed or printed name

Vice President, General Counsel

Title

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PA 3161854 v1

AUG. 22. 2001 12:50PM

TTC PALO ALTO

NO. 6570 P. 25/33

SY Pang  
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UNITED STATES DEPARTMENT OF COMMERCE  
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JULY 16, 2001

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TOWNSEND AND TOWNSEND AND CREW LLP  
STEPHEN Y. PANG  
TWO EMBARCADERO CENTER, EIGHTH FLOOR  
SAN FRANCISCO, CALIFORNIA 94111



\*101764633A\*

Official

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RECORDATION DATE: 04/09/2001

REEL/FRAME: 011707/0361  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SACHS, HOWARD

DOC DATE: 02/14/2001

ASSIGNOR:

ARYA, SIAMAK

DOC DATE: 03/21/2001

ASSIGNEE:


INTERGRAPH CORPORATION  
MS/HQ034, 289 DUNLOP BOULEVARD  
HUNTSVILLE, ALABAMA 35984-0001

SERIAL NUMBER: 09057861  
PATENT NUMBER:

FILING DATE: 04/09/1998  
ISSUE DATE:

JACQUELINE MOORE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

4-9-01

<b>FORM PTO-1619A</b> Expires 06/30/99 OMR 0651-0027	<b>07-12-2001</b>  <b>101764633</b> <b>PATENTS ONLY</b>	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b> <b>PATENT</b>  <b>EET</b>
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<b>Second Party</b>		
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<b>Correspondent Name and Address</b> Area Code and Telephone Number <span style="float: right;">650-326-2400</span>																																		
Name <span style="float: right;">Stephen Y. Pang</span>																																		
Address (line 1) <span style="float: right;">Townsend and Townsend and Crew LLP</span>																																		
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Authorization to charge additional fees:      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																		
<b>Statement and Signature</b> <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.</i>																																		
<table style="width: 100%; border: none;"><tr><td style="width: 40%; border: none;">Stephen Y. Pang</td><td style="width: 30%; border: none;"></td><td style="width: 30%; border: none;">April 4, 2001</td></tr><tr><td style="border: none;">Name of Person Signing</td><td style="border: none;">Signature</td><td style="border: none;">Date</td></tr></table>			Stephen Y. Pang		April 4, 2001	Name of Person Signing	Signature	Date																										
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Name of Person Signing	Signature	Date																																

Attorney Docket No.: 12172-004530US

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Howard Sachs, of 148 Garland Way, Los Altos, CA 94022-2230; Siamak Arya, of 398 Creekside Drive, Palo Alto, CA 94306-4508; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: INSTRUCTION CACHE ASSOCIATIVE CROSSBAR SWITCH

Date(s) of execution of Declaration:

Filing Date: April 9, 1998

Application No.: 09/057,861; and

WHEREAS, Intergraph Corporation, a corporation of the state of Delaware, located at Legal Department, MS/HQ034, 289 Dunlop Boulevard, Huntsville, AL, 35894-0001, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: Feb 14, 2001

  
Howard Sachs

Attorney Docket No.: 12172-004530US

**ASSIGNMENT OF PATENT APPLICATION****JOINT**

WHEREAS, Howard G. Sachs, of 298 Bella Vista, Belvedere, CA 94920; Siamak Arya, of 21310 Columbus Ave., Cupertino, CA 95014; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **INSTRUCTION CACHE ASSOCIATION CROSSBAR SWITCH**

Date(s) of execution of Declaration:

Filing Date: April 9, 1998

Application No.: 09/057,861; and

WHEREAS, Intergraph Corporation, a corporation of the state of Delaware, located at Legal Department, MS/HQ034, 289 Dunlop Boulevard, Huntsville, AL, 35894-0001, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Howard G. Sachs

AUG. 22. 2001 12:52PM

TTC PALO ALTO SEND

NO. 6570 P. 33/33

Assignment

Attorney Docket No.: 12172-004530US

Page 2

Dated: 3/21/01

  
Siamak Arya